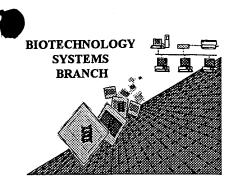
## Exhibit B

# RAW SEQUENCE LISTING ERROR REPORT



FILE COPY

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

08/484312

Art Unit / Team No.:

3/22/99

Date Processed by STIC:

THE ATTACHED PRINTOUT EXPLAINS THE ERRORS DETECTED.

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

ARTI SHAH 703-308-4212

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:46:59

INPUT SET: S31121.raw

This Raw Listing contains the General Information Section and those Sequences containing ERRORS.

Does Not Comply Corrected Diskette Needed 1 SEQUENCE LISTING 2 3 General Information: (1) 5 (i) APPLICANT: Hauptman, et al. (ii) TITLE OF INVENTION: THE RECEPTORS, THE BINDING BINDING PROTEINS, AND DNAS CODIN seliten 3 on Evon bunnay Sheet 10 (iv) CORRESPONDENCE ADDRESS: 11 12 (A) ADDRESSEE: John J. McDonnell 13 (B) STREET: 300 S. Wacker Drive 14 (C)CITY:Chicago 15 (D)STATE: IL 16 (E) COUNTRY: USA 17 (F)ZIP:60606 18 Suggestion: Consult Seguree Rule for valet format (V) COMPUTER READABLE FORM: 19 20 (A) MEDIUM TYPE: Floppy disk 21 (B) COMPUTER: IBM PC compatible 22 (C) OPERATING SYSTEM: PC-DOS/MS-DOS 23 (D) SOFTWARE: ASCII 24 25 (vi) CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: 08/484,312 26 27 (B) FILING DATE: June 7, 1995 28 (C) CLASSIFICATION: 29 (viii) ATTORNEY/AGENT INFORMATION: 30 (A) NAME: John J. McDonnell 31 (B) REGISTRATION NUMBER: 26,949 32 33 (C) REFERENCE/DOCKET NUMBER: 98,385-A 34 35 (ix) TELECOMMUNICATION INFORMATION: (A) TELEPHONE: 312-913-0001 (B) TELEFAX: 312-913-9808 37

#### **ERRORED SEQUENCES FOLLOW:**

38

39 (2) INFORMATION FOR SEQ ID NO:1:

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:46:59

INPUT SEŢ: S31121.raw (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1365 bases (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1: ATGGGCCTCT CCACCGTGCC TGACCTGCTG CTGCCACTGG TGCTCCTGGA GCTGTTGGTG GGAATATACC (2) INFORMATION FOR SEQ ID NO:2: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 483 bases Jan evon (B) TYPE: nucleic acid (C) STRANDEDNESS:single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2: 50 TTGCTGTACC AAGTGCCACA A GATAGTGTGT GTCCCCAAGG AAAATATATC CACCCTCAAA ATAATTCGAT (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 455 amino acids (B) TYPE polypeptide (1) tololoff insert major ory ledison repo (xi) sequence description: seq 10 no:3: Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro Leu Val Leu Leu Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu Val Pro His Leu Gly Asp Arg Glu Lys Arg Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn Cys Ser Leu Cys Leu 

#### RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:46:59

INPUT SET: S31121.raw

```
Asn Gly Thr Val His Leu Ser Cys Gln Glu Lys Gln Asn Thr Val
 91
 92
                                           160
 93
     Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val
 94
                      170
                                           175
 95
     Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr Lys Leu Cys
 96
 97
     Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr
 98
                      200
     Thr Val Leu Leu Pro Leu Val Ile Phe Phe Gly Leu Cys Leu Leu
99
100
                                                                225
                      215
                                           220
     Ser Leu Leu Phe Ile Gly Leu Met Tyr Arg Tyr Gln Arg Trp Lys
101
102
                                                                240
                      230
                                           235
103
     Ser Lys Leu Tyr Ser Ile Val Cys Gly Lys Ser Thr Pro Glu Lys
104
                      245
                                           250
     Glu Gly Glu Leu Glu Gly Thr Thr Thr Lys Pro Leu Ala Pro Asn
105
106
                      260
                                           265
     Pro Ser Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe
107
108
                      275
                                           280
109
     Ser Pro Val Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr
110
                      290
                                           295
     Pro Gly Asp Cys Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala
111
112
                                           310
                      305
113
     Pro Pro Tyr Gln Gly Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala
114
                                           325
                      320
     Ser Asp Pro Ile Pro Asn Pro Leu Gln Lys Trp Glu Asp Ser Ala
115
116
                                                               345
                      335
                                           340
     His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala Thr Leu Tyr
117
118
                      350
                                           355
                                                                360
     Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val
119
120
                      365
                                           370
121
     Arg Arg Leu Gly Leu Ser Asp His Glu Ile Asp Arg Leu Glu Leu
122
                      380
                                           385
     Gln Asn Gly Arg Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala
123
124
                      395
                                           400
125
     Thr Trp Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu
126
                      410
                                           415
127
     Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu
128
                      425
                                           430
     Asp Ile Glu Glu Ala Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala
129
                      440
130
                                           445
131
     Pro Ser Leu Leu Arg
132
                      455
133
134
     (2) INFORMATION FOR SEQ ID NO:4:
135
136
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln Asn Asn 

sangrow

<sup>(</sup>i) SEQUENCE CHARACTERISTICS:

<sup>(</sup>A) LENGTH: 161 amino acids

(B) TYPE:polypeptide 

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:00

ΤA

		INPUT SET: S31121,raw
	143	5 10 15
	144	Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn
	145	20 25 30
	146	Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Glu Cys Glu
	147	35 40 45
	148	Ser Gly Ser Phe Thr Ala Ser Glu Asn His Leu Arg His Cys Leu
	149	50 55 60
	150	Ser Cys Ser Lys Cys Arg Lys Glu Met Gly Gln Val Glu Ile Ser
	151	65 70 75
	152	Ser Cys Thr Val Asp Arg Asp Thr Val Cys Gly Cys Arg Lys Asn
	153	80 85 90
	154	Gln Tyr Arg His Tyr Trp Ser Glu Asn Leu Phe Gln Cys Phe Asn
	155	95 100 105
	156	Cys Ser Leu Cys Leu Asn Gly Thr Val His Leu Ser Cys Gln Glu
	157 158	110 115 120 Lys Gln Asn Thr Val Cys Thr Cys His Ala Gly Phe Phe Leu Arg
	159	125 130 135
	160	Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu
	161	140 145 150
	162	Cys Thr Lys Leu Cys Leu Pro Gln Ile Glu Asn
	163	155 160
	164	
		(2) INFORMATION FOR SEQ ID NO:5:  (i) SEQUENCE CHARACTERISTICS:  (A) LENGTH:157 bases  (B) TYPE:nucleic acid  (C) STRANDEDNESS:single  (D) TOPOLOGY:linear  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
	165	(2) INFORMATION FOR SEQ ID NO:5:
	166	$\mathcal{M}^{\mathcal{M}}$
	167	(i) SEQUENCE CHARACTERISTICS:
>	168	(A) LENGTH: 157 bases
	169	(B) TYPE: nucleic acid
	170	(C) STRANDEDNESS: single
	171	(D) TOPOLOGY:linear
	172 173	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
	174	(XI) DEGLERCE DESCRIPTION: DEG ID NO.3.
	175	CAGGGGAAA ATATTCACCC TCAAATAAT TCGATTTGCT GTACCAAGTG 50 CCACAAAGG AAACTACTTG
	176	onocommit numiconoco romanimit rocatiroci cincomicio co concimio immerializa
	177	(2) INFORMATION FOR SEQ ID NO:6:
	178	
	179	(i) SEQUENCE CHARACTERISTICS:
>	180	(A) LENGTH: 13 amino acids
>	181	(B) TYPE:polypeptide and (D) TOPOLOGY! and suspense
<b>.</b> .	182	
>	183	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
	184	Nam Com Vol Voc Dwo Clm Clu Iva Mum Tlo Via Dao Clm
	185	Asp Ser Val Xaa Pro Gln Gly Lys Tyr Ile His Pro Gln
	186 187	5 10
	10/	
	188	(2) INFORMATION FOR SEQ ID NO:7:
	189	(-,
	190	(i) SEQUENCE CHARACTERISTICS:
>	191	
>	192	(A) LENGTH:11 amino acids (B) TYPE:polypeptide
		$\Lambda M^{\circ} = \Lambda J^{\circ}$

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:00

		MI 01 5L1. 551121.74W
	193	
>	194	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
	195	
	196	Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys
	197	5 10
	198	
	199	(2) INFORMATION FOR SEQ ID NO:8:
	200	
	201	(i) SEQUENCE CHARACTERISTICS:
>	202	(A) LENGTH:12 amino acids
>	203	(B) TYPE:polypeptide $\wedge M$
	204	(A) LENGTH: 12 amino acids (B) TYPE: polypeptide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
>	205	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
	206	, - 2
	207	Glu Asn Glu Cys Val Ser Cys Ser Asn Cys Lys
	208	5 10
	209	3
	203	
	210	(2) INFORMATION FOR SEQ ID NO:9:
	211	/il GEOUENGE GUADAGEDIGETGG.
_	212	(i) SEQUENCE CHARACTERISTICS:
>	213	(A) LENGTH:13 amino acids
>	214	(1) SEQUENCE CHARACTERISTICS: (A) LENGTH:13 amino acids (B) TYPE:polypeptide
	215	/*
>	216	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
	217	
	218	Tyr Ile His Pro Gln Xaa Asn Ser Ile Xaa Xaa Xaa Lys
	219	$\frac{1}{2}$
	220	(2) (- use the runk for all sequerer
	221	(11) INFORMATION FOR SEQ ID NO:10:
	222	
	223	(i) SEQUENCE CHARACTERISTICS:
>	224	(A) LENGTH: 14 amino acids
>	225	(B) TYPE:polypeptide / March
	226	(2) IIII.pelipepide //w.
>	227	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
	228	(AI) BEQUENCE DESCRIPTION. BEY ID NO. IV.
	229	Glu Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn Asn Lys
		· · · · · · · · · · · · · · · · · · ·
	230	5 10
	231	
		/AL THEORY HAVE TOR GROUP AND MALLS
>	232	(2) INFORMATION FOR SEQ ID NO:11:
	233	
	234	(i) SEQUENCE CHARACTERISTICS:
>	235	(A) LENGTH:15 amino acids (B) TYPE:polypeptide
>	236	(B) TYPE:polypeptide
	237	
>	238	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
	239	
	240	Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg
	241	5 10 15
	242	5 10 13
	242	

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:01

		INPUI SEI: S31121.raw
	292	·
	293	(i) SEQUENCE CHARACTERISTICS:
>	294	(A) LENGTH: 18 amino acids
>	295	(B) TYPE:polypeptide
•	296	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH:18 amino acids  (B) TYPE:polypeptide
>	297	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
	298	
	299	Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr
	300	5 10 15
	301	Xaa Xaa Arg
	302	
	303	
	304	(2) INFORMATION FOR SEQ ID NO:17:
	305	(2) INFORMATION FOR SEQ ID NO.17.
	306	(i) SEQUENCE CHARACTERISTICS:
	307	(A) LENGTH: 14 amino acids
	307	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH:14 amino acids  (B) TYPE:polypeptide  (Wi) SEQUENCE DESCRIPTION: SEC ID NO.17:
/	309	(B) TIPE:polypeptide
		(with GROVENGE PROGREDING ORD IN NO. 17.
>	<b>310</b> 311	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
		ally have many yell are many yes yell ally ally the plantage and
	312	Gln Asn Thr Val Cys Thr Xaa His Ala Gly Phe Phe Leu Arg
	313	5 10
	314	
	315	(2) INFORMATION FOR SEQ ID NO:18:
	316	
	317	(i) SEQUENCE CHARACTERISTICS:
>	318	(A) LENGTH: 14 amino acids
>	319	(B) TYPE:polypeptide
	320	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH:14 amino acids (B) TYPE:polypeptide
>	321	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
	322	
	323	Ser Leu Glu Cys Thr Lys Leu Cys Leu Pro Gln Ile Glu Asn
	324	5 10
	325	
	326	(2) INFORMATION FOR SEQ ID NO:19:
	327	/-/
	328	(i) SEQUENCE CHARACTERISTICS:
>	329	(A) LENGTH:13 amino acids
>	330	(B) TYPE:polypeptide
	331	(A) LENGTH:13 amino acids (B) TYPE:polypeptide
>	332	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
	333	/
	334	Asp Ser Val Cys Pro Gln Gly Lys Tyr Ile His Pro Gln
	335	s 10
	336	J
	330	
	481	(2) INFORMATION FOR SEQ ID NO:32:
	482	
	483	(i) SEQUENCE CHARACTERISTICS:
>	484	(A) LENGTH:14 amino acids

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:00

	243	(2) INFORMATION FOR SEQ ID NO:12:
	244	
	245	(i) SEQUENCE CHARACTERISTICS:
>	246	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH:13 amino acids  (B) TYPE:polypeptide  (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
>	247	(B) TYPE:polypeptide
	248	
>	249	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
	250	
	251	Gly Thr Tyr Ley Tyr Asn Asp Cys Pro Gly Pro Gly Gln
	252	5 10 .
	253	
	254	(2) INFORMATION FOR SEQ ID NO:13:
	255	
	256	(i) SEQUENCE CHARACTERISTICS:
>	257	(A) LENGTH:13 amino acids
>	258	(B) TYPE:polypeptide
	259	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH:13 amino acids  (B) TYPE:polypeptide
>	260	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
	261	
	262	Glu Met Gly Gln Val Glu Ile Ser Xaa Xaa Xaa Val Asp
	263	5 10
	264	
	265	(2) INFORMATION FOR SEQ ID NO:14:
	266	
	267	(i) SEQUENCE CHARACTERISTICS:
>	268	(A) LENGTH: 20 amino acids
>	269	(i) SEQUENCE CHARACTERISTICS:  (A) LENGTH: 20 amino acids  (B) TYPE: polypeptide
-	270	(2) 11111F011F0F0100
>	271	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
	272	(ne)
	273	Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg
	274	5 10 15
	275	Asp Thr Val Cys Gly
	276	20
	277	
	<del></del>	
	278	(2) INFORMATION FOR SEQ ID NO:15:
	279	u
	280	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 19 amino acids
>	281	(A) LENGTH: 19 amino acids $//V$
>	282	(B) TYPE:polypeptide
	283	
>	284	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
	285	
	286	Tyr Ile His Pro Gln Xaa Asn Ser Ile Cys Cys Thr Lys Cys His
	287	5 10 15
	288	Lys Gly Xaa Tyr
	289	
	290	
	201	/2) THEODYAMION FOR GEO TO NO.16.
	291	(2) INFORMATION FOR SEQ ID NO:16:

(2) INFORMATION FOR SEQ ID NO:55:

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:01

INPUT SET: S31121.raw (B) TYPE:polypeptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:32: Glu Cys Gly Ser Gly Ser Phe Thr Ala Ser Glu Asn Asn Lys (2) INFORMATION FOR SEQ ID NO:33: (i) SEQUENCE CHARACTERISTICS: same (A) LENGTH: 14 amino acids (B) TYPE:polypeptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:33: Glu Cys Gly Ser Gly Ser Phe Thr Ala Ser Cys Asn Asn Lys (2) INFORMATION FOR SEQ ID NO:46: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH:51 amino acids (B) TYPE:polypeptide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:46: Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr Lys Cys His Lys Gly Thr Tyr Ley Tyr Asn Asp Cys Pro Gly Pro Gly Gln Asp Thr Asp Cys Arg Gly Cys Glu Ser Gly Ser Phe Thr Ala Ser Glu Asn Asn Lys (2) INFORMATION FOR SEQ ID NO:47: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH:158 bases (B) TYPE: nucleic acid (C) STRANDEDNESS:single (D) TOPOLOGY: linear (xi) SEQUENCE DESCRIPTION: SEQ ID NO:47: CAGGGGAAAT ATATTCACCC TCAAAATAAT TCGATTTCGT GTACCAAGTC 50 GCACAAAGGA ACCTACTTGT A 

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:01

		•	INPU1 5E1: 531121.raw
	764	(i) SEQUENCE CHARACTERISTICS:	
>	765	(A) LENGTH: 63 bases	
	766	(B) TYPE:nucleic acid	
	767	(C) STRANDEDNESS:single	
	768	(D) TOPOLOGY:linear	
	769	• •	/
	770	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:55:	//
	771		$\mathcal{U}$
	772	AGCTCTAGAG ATTCGCGGCC GCTCGAGGTA CCGGATCCAT CGATGTCGAC	50 CTGCAGAAGC TTG
	773		
•	774	(2) INFORMATION FOR SEQ ID NO:56:	
	775	<b>,</b> -,	
	776	(i) SEQUENCE CHARACTERISTICS:	
>	777	(A) LENGTH: 64 bases	
	778	(B) TYPE:nucleic acid	
	779	(C) STRANDEDNESS:single	
	780	(D) TOPOLOGY:linear	
	781	(n) toronogrifficat	/
		/wil CEOUENCE DECORTOMION. CEO ID NO. 56.	
	782	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:56:	<i>(</i> / <sub>2</sub>
	783		50 444117777 4714
	784	CTAGCAAGCT TCTGCAGGTC GACATCGATG GATCCGGTAC CTCGAGCGGC	50 CGCGAATTCT CTAG
	785		
	810	(2) INFORMATION FOR SEQ ID NO:59:	
	811	(L) Intollimiton toll bly Ib holds	
	812	(i) SEQUENCE CHARACTERISTICS:	
>	813	(A) LENGTH:81 bases	
/	814	(B) TYPE: nucleic acid	
		, <i>,</i>	
	815	(C) STRANDEDNESS:single	
	816	(D) TOPOLOGY:linear	/
	817	(.') GROUNGE PROGRESS OF TO 10 CA	/
	818	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:59:	
	819		
	820	CACAGTCGAC TTACATTTGC TTCTGACACA ACTGTGTTCA CTAGCAACCT	50 CAAACAGACA CCATGGGCCT C
	821		
	970	(2) THEODYNETON FOR GEO TO NO. (4.	· · · · · · · · · · · · · · · · · · ·
	870	(2) INFORMATION FOR SEQ ID NO:64:	
	871	/ CEOUENGE GUADAGMEDICMICS	
	872	(i) SEQUENCE CHARACTERISTICS:	
>	873	(A) LENGTH 30 bases /8 stow	
	874	(b) III b. Macreta acta	
	875	(C) STRANDEDNESS:single	
	876	(D) TOPOLOGY:linear	
	877		
	878	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:64:	
	879		
	880	GTCCAATTAT GTCACACC	18
	881		
•	882	(2) INFORMATION FOR SEQ ID NO:65:	
	883	· ·	
	884	(i) SEQUENCE CHARACTERISTICS:	

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:02

INPUT SET: S31121.raw

															Il.	VPUT !	SET: S31121.raw
>	885	(A)	LEN	GTH:	1334	bas	es										
	886			E:nu													
	887			ANDE			_										
	888	(D)	TOP	OLOG	Y:li	near											,
	889																
	890	(X1	) SE	QUEN	CE D	ESCR	IPTI	ON:	SEQ	ID N	0:65	:					<i>(</i> /.
	891	~~~		~~~													50 7555155 555751
	892	GAA'	TTCT	CTG	GACT	GAGG	CT C	CAG'I"	TCTG	G CC	T'T'T'G	GGGT	TCA.	AGA'I'	CAC		50 TGGGACCAGG CCGTGAT
	893	m> 0	amam	ama .	<b>~</b>												212
>	<b>894</b> 895	TAG	CTGT	CTG	GC												212
	896	እሞር	aac	CTC	TICC	N.C.C	GT/G	CCT	GAC	CTC	CTC	CTC	CCA	СТС	GTG.	ጥጥር	257
	897								Asp								257
	898	Mec	GLY	Бец	Ser	5	Val	110	АЗР	пец	10	Dea	110	Deu	Val	15	
	899					•											
	900	CTG	GAG	CTG	TTG	GTG	GGA	АТА	TAC	ccc	TCA	GGG	GTT	АТТ	GGA	CTG	302
	901								Tyr								
	902					20	2		-4-		25			:	2	30	
•	903																•
	904	GTC	CCT	CAC	CTA	GGG	GAC	AGG	GAG	AAG	AGA	GAT	AGT	GTG	TGT	CCC	347
	905	Val	Pro	His	Leu	Gly	Asp	Arg	Glu	Lys	Arg	Asp	Ser	Val	Cys	Pro	
	906					35					40					45	
	907																
	908								CAA								392
	909	Gln	Gly	Lys	Tyr		His	Pro	Gln	Asn		Ser	Ile	Cys	Cys		
	910					50			•		55					60	
	911																
	912								TTG								437
	913	Lys	Cys	His	Lys		Thr	Tyr	Leu	Tyr		Asp	Cys	Pro	Gly		
	914					65					70					75	
	915	000	a.a	<b>~~</b>	100	010	maa	100	a.a	mam	~~	100	000	maa	mma	3.00	400
	916 917								GAG								482
	917	GIY	GIII	ASP	The	ASP 80	Cys	Arg	Glu	Cys	85		сту	Ser	Pile	90	
	919					00					05					90	
	920	GCT	тсδ	GAA	ልልሮ	CAC	CTC	AGA	CAC	TGC	СТС	AGC	TCC	<b>דרר</b>	ΔΔΔ	TGC	527
	921								His								327
	922		501			95		9		<b>-</b> 72	100		0,72	501	_,,	105	
	923																
	924	CGA	AAG	GAA	ATC	GGT	CAG	GTG	GAG	ATC	TCT	TCT	TGC	ACA	GTG	GAC	572
	925								Glu								
	926	_	•			110					115		-			120	
	927																
	928	CGG	GAC	ACC	GTG	TGT	GGC	TGC	AGG	AAG	AAC	CAG	TAC	CGG	CAT	TAT	617
	929	Arg	Asp	Thr	Val	Cys	Gly	Cys	Arg	Lys	Asn	Gln	Tyr	Arg	His	Tyr	
	930					125					130					135	
	931																
	932				AAC	CTT'	TTC	CAG '	TGC '	TTC .	AAT '	rgc .	AGC (	CTC '	rgc (	CTC	662
	933	Trp	Ser	Glu	Asn	Leu	Phe (	Gln (	Cys 1	Phe .	Asn (	Cys :	Ser 1	Leu (	Cys 1	Leu	
	934					140	L	<b>.</b> //.	A4 4 A	٠ ٨١	,145		المالك ال	1.1.	1	150	u) u) a gam in'
	935						174		سرور		- N	~;;;~	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7	- 4		
	936				GTG	CAC	CTC	TCC	TGC	CAG	GAG	AAA	CAG	AAC	ACC	GTG	101 Le serverer.
	937	ASN	стÀ	Thr	val	HIS	ьeu	ser	Cys	GIN	GIU	ьys	GIN	ASN	rnr	vaı	
																	662 Ew is a gap is 707 Le segueree, separate segueree

separate sequeras must be slow (see 1.82260) of Sequera Rulu)

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

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938				•	155					160					165	
939 940	TGC	ACC	TGC	СУТ	GCA	сст	ጥጥር	արդու	СПУ	AGA	GAA	אאר	GAG	ጥረጥ	GTC	752
941					Ala											732
942	-1-		- 1 -		170	1				175				-1-	180	
943																
944	TCC	TGT	AGT	AAC	TGT	AAG	AAA	AGC	CTG	GAG	TGC	AGG	AAG	TTG	TGC	797
945	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	Cys	Thr	Lys	Leu	Cys	
946					185					190					195	
947																
948					GAG											842
949	Leu	Pro	GIn	Ile	Glu	Asn	Val	Lys	Gly		Glu	Asp	Ser	Gly		
950					200					205					210	
951 952	202	OTT C	CTC	መመረ	CCC	CTTC	ama	አጥጥ	TITE C	ատա	COTT	C TTTTT	maa	C TTTT	תוחות א	887
953					Prol											007
954	1111	*41	пса	цса	215			_	. 11.6	220	JLY	beu (	Jys	deu i	225	
955						7 %	op!	<i>!</i>								
956	TCC	CTC	CTC	TTC	ATT	GGT	TTA	ATG	TAT	CGC	TAC	CAA	CGG	TGG	AAG	932
957	Ser	Leu	Leu	Phe	Ile	Gly	Leu	Met	Tyr	Arg	Tyr	Gln	Arg	Trp	Lys	
958					230					235					240	
959																
960					TCC											977
961	Ser	Lys	Leu	Tyr	Ser	Ile	Val	Cys	СŢЙ		Ser	Thr	Pro	GLu		
962					245					250					255	
963 964	GAG	aaa	GAG	Стт	GAA	CCA	хст	хст	አርሞ	A A C	aaa	CTC	acc	CCA	አአሮ	1022
965					Glu											1022
966	<b>01u</b>	017	OLU	DC.	260	<b>0 1 y</b>			••••	265	110	пса	AIG	110	270	
967																
968	CCA	AGC	TTC	AGT	CCC	ACT	CCA	GGC	TTC	ACC	CCC	ACC	CTG	GGC	TTC	1067
969	Pro	Ser	Phe	Ser	Pro	Thr	Pro	Gly	Phe	Thr	Pro	Thr	Leu	Gly	Phe	
970					275					280					285	
971																
972																1112
973	Ser	Pro	vaı	Pro	Ser	ser	Thr	Pne	Thr		Ser	ser	Thr	туr		
97 <b>4</b> 975					290					295					300	
976	CCC	GGT	GAC	тст	ccc	AAC	ጥጥጥ	GCG	GCT	ccc	CGC	AGA	GAG	GТG	GCA	1157
977					Pro											
978		-	_	_	305					310	,				315	
979																
980	CCA	CCC	TAT	CAG	GGG	GCT	GAC	CCC	ATC	CTT	GCG	ACA	GCC	CTC	GCC	1202
981	Pro	Pro	Tyr	Gln	Gly	Ala	Asp	Pro	Ile	Leu	Ala	Thr	Ala	Leu	Ala	
982					320					325					330	
983	таа	~ . ~					~~~	amm	a.a		maa	a. a	a.a			1047
984 985					Pro											1247
986	Set	ASP	PIO	116	335	ASII	PIO	rea	GIII	340	пр	GIU	ASP	261	345	
987					555					240					J-± J	
988	CAC	AAG	CCA	CAG	AGC	CTA	GAC	ACT	GAT	GAC	CCC	GCG	ACG	CTG	TAC	1292
989					Ser											
990		-			350		-		-	355					360	

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

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991
 992
       GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAGGAATTC
                                                                     1334
 993
       Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp
 994
                       365
 995
 996
 997
       (2) INFORMATION FOR SEQ ID NO:66:
 998
 999
       (i) SEQUENCE CHARACTERISTICS:
1000
       (A) LENGTH: 371 amino_acids
1001
       (B) TYPE:polypeptide
1002
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:
1003
1004
      Met Gly Leu Ser Thr Val Pro Asp Leu Leu Pro Leu Val Leu
1005
1006
                                             10
       Leu Glu Leu Leu Val Gly Ile Tyr Pro Ser Gly Val Ile Gly Leu
1007
1008
                                             25
1009
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1010
                        35
      Gln Gly Lys Tyr Ile His Pro Gln Asn Asn Ser Ile Cys Cys Thr
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1012
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                                             55
1013
      Lys Cys His Lys Gly Thr Tyr Leu Tyr Asn Asp Cys Pro Gly Pro
1014
                                             70
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1015
      Gly Gln Asp The Asp Cys Arg Glu Cys Gly Ser Gly Ser Phe Thr
1016
                        80
                                             85
1017
      Ala Ser Glu Asn His Leu Arg His Cys Leu Ser Cys Ser Lys Cys
1018
                                            100
                        95
      Arg Lys Glu Met Gly Gln Val Glu Ile Ser Ser Cys Thr Val Asp
1019
1020
                       110
                                            115
                                                                 120
1021
      Arg Asp Thr Val Cys Gly Cys Arg Lys Asn Gln Tyr Arg His Tyr
1022
                       125
                                            130
1023
       Trp Ser Glu Asn Leuphe Gln Cys Phe Asn Cys Ser Leu Cys Leu
                       1402 grope /
1024
                                            145
1025
      Asn Gly Thr Val His Leu Ser'Cys Gln Glu Lys Gln Asn Thr Val
1026
                       155
                                            160
1027
      Cys Thr Cys His Ala Gly Phe Phe Leu Arg Glu Asn Glu Cys Val
1028
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                                            175
1029
      Ser Cys Ser Asn Cys Lys Lys Ser Leu Glu Cys Thr Lys Leu Cys
1030
                                                                 195
                                            190
                       185
1031
       Leu Pro Gln Ile Glu Asn Val Lys Gly Thr Glu Asp Ser Gly Thr
1032
                       200
                                            205
1033
       Thr Val Leu Leu ProLeu Val Ile Phe Phe Gly Leu Cys Leu Leu
                       215 L gon!
1034
                                            220
       Ser Leu Leu Phe Ile GTy Leu Met Tyr Arg Tyr Gln Arg Trp Lys
1035
1036
                                            235
1037
       Ser Lys Leu Tyr Ser Ile Val Cys Cly Lys Ser Thr Pro Glu Lys
1038
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                                            250
1039
      Glu Gly Glu Leu Glu Gly Thr Thr Lys Pro Leu Ala Pro Asn
1040
                       260
                                            265
      Pro Ser Phe Ser Pro Thr Pro Gly Phe Thr Pro Thr Leu Gly Phe
1041
1042
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                                            280
                                                                 285
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1091

1092

1093

(B) TYPE: nucleic acid

(C) STRANDEDNESS:single
(D) TOPOLOGY:linear

## RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:03

#### INPUT SET: S31121.raw 1043 Ser Pro Val Pro Ser Ser Thr Phe Thr Ser Ser Ser Thr Tyr Thr 1044 290 295 1045 Pro Gly Asp Cys Pro Asn Phe Ala Ala Pro Arg Arg Glu Val Ala 1046 305 310 Pro Pro Tyr Gln Gly Ala Asp Pro Ile Leu Ala Thr Ala Leu Ala 1047 1048 320 325 Ser Asp Pro Ile Pro Asn Pro Leu Gln Lys Trp Glu Asp Ser Ala 1049 1050 340 His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala Thr Leu Tyr 1051 1052 350 355 1053 Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp 1054 365 1055 1056 (2) INFORMATION FOR SEQ ID NO:67: 1057 1058 (i) SEQUENCE CHARACTERISTICS: 1059 (A) LENGTH: 6464 bases 1060 (B) TYPE: nucleic acid 1061 (C) STRANDEDNESS: single (D) TOPOLOGY: linear 1062 Land return 1063 1064 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:67: 1065 TCGACATTGA TTATTGACTA GTTATTAATA GTAATCAATT ACGGGGTCAT 50 / TAGTTCATAG CCCATATATG GAGTTCCGCG TTACATAACT TACGGTAAAT 100 GGCCCGCCTC GCTGACCGCC C 1066 1067 1068 CTGGCATTAT GCCCAGTACA TGACCTTATG GGACTTTCCT ACTIGGCAGT 350 ACATCTACGT ATTAGTCATC G AGAACCCACT GCTTAACTGG CTTATCGAAA TTAATACGAC TCACTATAGG 650 GAGACCCAAG CTTCTGCAGG T 1069 AGGTTTTACT TGCTTTAAAA AACCTCCCAC ACCTCCCCT GAACCTGAAA 1250 CATAAAATGA ATGCAATTGT T 1070 GTTAAAAGAT GTATCCTGGA CCTGCCAGAC CTGGCCATTC ACGTAAACAG 1550 AAGATTCCGC CTCAAGTTCC G 1071 CCCACCACCT GGCCCGCCC CGTTGAGGAC AGAAGAAACC CCGGGCAGCC 1850 GCAGCCAAGG CGGACGGGTA G 1072 GCGGCCACGC CGGACTGGGC GGGGCCGGCC TGGTGGAGGC GGAGTCTGAC 2150 CTCGTGGAGG CGGGGCCTCT G 1073 TGGCTGGATT GGGTTAGGGA AACCGAGGCG GTTCGCTGAA TCGGGTCGAG 2450 CACTTGGCGG AGACGCGCGG G 1074 GAACGAGTTC AAGTACTTCC AAAGAATGAC CACCACCTCC TCAGTGGAAG 2750 GTAAACAGAA CCTGGTGATT A 1075 AGGCCATCTC AGACTCTTTG TGACAAGGAT CATGCAGGAA TTTGAAAGTG 3050 ACACGTTCTT CCCAGAAATT G 1076 GCAGAGCTAG AACTCAGACT TTAAAGAAAA TTAGATCAAA GTAGAGACTG 3650 AATTATTCTG CACATCAGAC T 1077 ATGCATCTCA ATTAGTCAGC AACCAGGTGT GGAAAGTCCC CAGGCTCCCC 4000 AGCAGGCAGA AGTATGCAAA G 1078 CTGTAGCGGC GCATTAAGCG CGGCGGTGT GGTGGTTACG CGCAGCGTGA 4255 CCGCTACACT TGCCAGCGCC C 1079 GTCGCCCTTA TTCCCTTTTT TGCGGCATTT TGCCTTCCTG TTTTTGCTCA 4850 CCCAGAAACG CTGGTGAAAG T 1080 GAAAAGCATC TTACGGATGG CATGACAGTA AGAGKATTAT GCAGTGCTGC 5150 CATAACCATG AGTGATAACA C 1081 1082 TGGATGGAGG CGGATAAAGT TGCAGGACCA CTTCTGCGCT CGGCCCTTCC 5450 GGCTGGCTGG TTTATTGCTG A AAAAGGATCT AGGTGAAGAT CCTTTTTGAT AATCTCATGA CCAAAATCCC 5750 TTAACGTGAG TTTTCGTTCC A 1083 GTAGCACCGC CTACATACCT CGCTCTGCTA ATCCTGTTAC CAGTGGCTGC 6100 TGCCAGTGGC GATAAGTCGT G 1084 GGAAACGCCT GGTATCTTTA TAGTCCTGTC GGGTTTCGCC ACCTCTGACT 6400 TGAGCGTCGA TTTTTGTGAT G 1085 1086 1087 (2) INFORMATION FOR SEQ ID NO:68: 1088 1089 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 2173 bases 1090

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:03

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	1094									/												
	1095	(xi	) SE	QUEN	CE DI	ESCR	IPTI	ON:	SEQ :	ID N	./											
	1096																$\mathcal{U}$					
	1097	GAA'	rtcc'	rrt '	rctc	CGAG'	rt t'	TCTG	AACT	C TG	CTC	ATGA	TCG	GCT'	<b>TAC</b>		50 TGGATACGAG AATCCTG					
	1098																					
>	1099													CTG			289					
	1100	Met	Gly	Leu	Pro	Ile	Val	Pro	Gly	Leu		Leu	Ser	Leu	Val							
	1101					5					10					15						
	1102																					
	1103													ACC			334					
	1104	Leu	АТа	Leu	Leu		GTA	тте	HIS	Pro		GTÀ	vaı	Thr	GTA							
	1105					20					25					30						
	1106 1107	CMM	aam	mem.	C TO TO	CCTT	CAC	ccc	CAC	224	N.C.C	CAT	אאת	TTG	TO T	ccc	379					
	1107													Leu			379					
	1108	Vai	PIO	Ser	Бец	35	Азр	ALG	GIU	цуз	40	voħ	ASII	пеа	Cys	45						
	1110					33					10											
	1111	CAG	GGA	AAG	тат	GCC	CAT	CCA	AAG	ААТ	ААТ	TCC	ATC	TGC	TGC	ACC	424					
	1112												_	Cys		_						
	1113		- 4	-	- 4	50			•		55			•		60						
	1114		•																			
	1115	AAG	TGC	CAC	AAA	GGA	ACC	TAC	TTG	GTG	AGT	GAC	TGT	CCA	AGC	CCA	469					
	1116	Lys	Cys	His	Lys	Gly	Thr	Tyr	Leu	Val	Ser	Asp	Cys	Pro	Ser	Pro						
	1117					65					70					75						
	1118																					
	1119													ACC			514					
	1120	Gly	Gln	Glu	Thr		Cys	Glu	Leu	Ser		Lys	Gly	Thr	Phe							
	1121					80					85					90						
	1122	COM	maa	a.a		<b>a</b> a	ama	3.013	asa	mam	ama	» cim	maa	330	202	mam	E					
	1123 1124													AAG Lys			559					
	1124	MIG	Ser	GIII	ASII	95	AaT	Arg	GIII	Cys	100	Ser	Cys	nys	1111	105						
	1126					75					100					103						
	1127	CGG	AAA	GAA	ATG	TTC	CAG	GTG	GAG	ATT	TCT	CCT	TGC	AAA	GCT	GAC	604					
	1128													Lys								
	1129		•			110							_				ab .					
	1130									111	کسی ۱	H K	vel	ví b	vil d	lilig	10 CO					
>	1131													CAG			649					
	1132	Met	Asp	Thr	Vál	Cys	Gly	Cys	Lys	Lys				Gln								
	1133					125					130	-) w	2 12	men-	con ,	135 Lexie	-1					
	1134																					
	1135													CCC			694					
	1136	Leu	Ser	GLU	Tnr		Pne	GIN	cys	vaı		cys	Ser	Pro	cys							
	1137					140					145					150						
	1138 1139	<b>አ</b> አጥ	מפת	ACC.	ርጥር	ልሮኦ	ልጥጣ	מממ	ጥረጥ	ΔAC	GAG	מממ	CAG	AAC	ΔCC	GTG.	739					
	1140													Asn			, 5,					
	1140	POII	СТУ	****	<b>ч</b> ат	155	-1-C	110	Cys	ys	160	בעה	0111	2011		165						
	1142					100																
	1143	TGT	AAC	TGC	CAC	GCA	GGA	TTC	TTT	CTA	AGC	GGA	AAT	GAG	TGC	ACC	784					
	1144													Glu								
	1145	-		-		170	-				175	-			-	180						
	1146																					

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

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DATE: 03/22/1999

																7 TO T 1/27	CDM CALLAL
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	1147					TGC											829
	1148	Pro	cys	ser	HIS	Cys	гàг	гàг	Asn	GIN		cys	мет	гàг	Leu		
	1149					185					190					195	
	1150	CITE A	aam	<b>aa</b> .	amm.	<b>aa</b> .		ama			000	a.a	a.a	ma s	aam	» am	074
	1151					GCA											874
	1152					Ala											
	1153 1154				14 L	200		41.		ے بیریا	2UD	X/ A	1 de	fire	m' 1	'ix' 4	EATURE Meter
	1154 1155	000	after/	yus	W4 1	A COM			ATTIC	mma.	CM3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CITIENT	U TOO		//\/·/	EATURE: rectur
/	1156	λla	Wal	Cir	Tio	Pro	Lon	A J	TIO	Pho	Cin	GGI	LON	LAC	LOU	LON	, 919
	1157	мта	vaı	Leu	Leu	215	Leu	Val	TTE	FILE	220	СТУ	пéп	Cys	ьеи	225	
	1158					213					220					223	
	1159	ጥጥሮ	ффф	ΔͲሮ	TGC	ATC	ልርጥ	СТА	СТС	TGC	CGA	тдт	aca	CAG	TGG	AGG	964
	1160					Ile								_			201
	1161				0,0	230				0,0	235	- 1 -	0	·		240	
	1162																
	1163	CCC	AGG	GTC	TAC	TCC	ATC	ATT	TGT	AGG	GAT	TCA	GCT	CCT	GTC	AAA	1009
	1164					Ser											
	1165		J		- 4 -	245			4		250	•				255	•
	1166																
	1167	GAG	GTG	GAG	GGT	GAA	GGA	ATT	GTT	ACT	AAG	CCC	CTA	ACT	CCA	GCC	1054
	1168	Glu	Val	Glu	Gly	Glu	Gly	Ile	Val	Thr	Lys	Pro	Leu	Thr	Pro	Ala	
	1169				_	260	_				265					270	
	1170																
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	1172	Ser	Ile	Pro	Ala	Phe	Ser	Pro	Asn	Pro	Gly	Phe	Asn	Pro	Thr	Leu	
	1173					275					280					285	
	1174																
	1175																1144
	1176	Gly	Phe	Ser	Thr	Thr	Pro	Arg	Phe	Ser		Pro	Val	Ser	Ser		
	1177					290					295					300	
	1178					ота	mma	a a m				<b></b>	a. a			ama	
	1179																1189
	1180 1181	Pro	TTE	ser	Pro	Val	Pne	GTĀ	PIO	ser		Trp	HIS	ASN	Pne		
	1182					305					310					315	•
	1183	CCA	CCT	CITIA	λGλ	GVG	GTG.	CTC	CCA	אממ	CAG	CCT	CCT	GAC	ССТ	משמ	1234
	1184					Glu											1234
	1185	110	110	Val	nr 9	320	Val	VUL	110		325	O.L.y	AIU	лор	110	330	
	1186					320											
	1187	CTC	TAC	GGA	TCC	CTC	AAC	ССТ	GTG	CCA	ATC	ccc	GCC	CCT	GTT	CGG	1279
	1188					Leu											
	1189		_	_		335					340					345	
	1190																
_	1191	AAA	TGG	GAA	GAC	GTC	GTC	GCG	GCC	CAG	CCA	CAA	CGG	CTT	GAC	ACT	1324
•	1192	Lys	Trp	Glu	Asp	Val	Val	Ala	Ala	Gln	Pro	Gln	Arg	Leu	Asp	Thr	
	1193	-	_		-	350					355		_		_	360	
	1194																
	1195																1369
	1196	Ala	Asp	Pro	Ala	Met	Leu	Tyr	Ala	Val	Val	Asp	Gly	Val	Pro	Pro	
	1197					365					370					375	
	1198																
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1199 ACA CGC TGG AAG GAG TTC ATG CGG CTC CTG GGG CTG AGC GAG CAC 1414

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	1204	Glu Ile Glu Arc Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg Glu
	1205	395 400 405
	1206	
	1207	GCT CAT TAC AGC ATG CTG GAA GCC TGG CGG CGC CGC ACA CCG CGA 1504
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	1209	410 415 420
	1210	CAC GAG GCC ACG CTG GAC GTA GTG GGC CGC GTG CTT TGC GAC ATG 1549
	1211 1212	His Glu Ala Thr Leu Asp Val Val Gly Arg Val Leu Cys Asp Met
	1212	425 430 . 435
	1214	425 450 450
	1215	AAC CTG CGT GGC TGC CTG GAG AAC ATC CGC GAG ACT CTA GAA AGC 1594
	1216	Asn Leu Arg Gly Cys Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser
	1217	440 445 450
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	1219	CCT GCC CAC TCG TCC ACG ACC CAC CTC CCG CGA TAAGGCCACA 1637
	1220	Pro Ala His Ser Ser Thr Thr His Leu Pro Arg
	1221	455 460
	1222	$\ell$
	1223	CCCCCACCTC AGGAACGGGA CTCGAAGGAC CATCCTGCTA GATGCCCTGC 1687 TTCCCTGTGA ACCTCCT
>	1224	GGGAAGTGTG CCATCTGCTC CCAGACAGCT GAGGGTGCCA AAAGCCAGGA 1887
	1225 1226	GAGGTGATTG TGGAGAAAAA GCACAATCTA TCTGATACCC ACTTGGGATG 1937 CAAGGACCCA AACAAAGCTT CTCAGGGCCT CCTCAGTTGA TTTCTGGGCC 1987
	1225	CAAGGACCCA AACAAAGCTT CTCAGGGCCT CCTCAGTTGA TTTCTGGGCC 1987 CTTTTCACAG TAGATAAAAC AGTCTTTGTA TTGATTATAT CACACTAATG 2037
	1228	GATGAACGGT TGAACTCCCT AAGGTAGGGG CAAGCACAGA ACAGTGGGGT 2087
	1229	CTCCAGCTGG AGCCCCCGAC TCTTGTAAAT ACACTAAAAA TCTAAAAGTG 2137
	1230	AAAAAAAA AAAAAAAAA AAAAAAAAG GAATTC 2173
	1231	
	1232	(2) INFORMATION FOR SEQ ID NO:69:
	1233	(i) analytian allenamenta.
	1234	(i) SEQUENCE CHARACTERISTICS:
> >	1235 1236	(A) LENGTH:461 am <u>ino</u> acids (B) TYPF:polypeptide
	1237	(B) TITAL POLYPEPTING
>	1238	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:
	1239	· · · · · · · · · · · · · · · · · · ·
	1240	Met Gly Leu Pro Ile Val Pro Gly Leu Leu Leu Ser Leu Val Leu
	1241	5 10 15
	1242	Leu Ala Leu Leu Met Gly Ile His Pro Ser Gly Val Thr Gly Leu
	1243	20 25 30
	1244	Val Pro Ser Leu Gly Asp Ara Glu Lys Arg Asp Asn Leu Cys Pro
	1245	35 40 45
	1246	
	1247	Gln Gly Lys Tyr Ala His Pro Lys Asn Asn Ser Ile Cys Cvs Thr
	1248	50 55 60
	1249 1250	Lys Cys His Lys Gly Thr Tyr Leu Val Ser Asp Cys Pro Ser Pro 65 70 75
	1250	Gly Gln Glu Thr Val Cys Glu Leu Ser His Lys Gly Thr Phe Thr
	1001	or or or the tar of ord not ber his bys or the the thi





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•														IN	<b>PUT</b>	SET:	S3112	1.raw	
1252					80					85					90				
1253	Ala	Ser	Gln	Asn	His	Val	Arg	Gln	Cys		Ser	Cys	Lys	Thr	_				
1254	1	r	<b>a</b> 1	v-+	95	a1 =		<b>a</b> 1	T1.	100	n	<b>a</b>	T	A 1 a	105				
1255 1256	Arg	гàг	GIU	rec	Phe 110	GIN	vaı	GIU	тте	115	PIO	Cys	гÀг	АТА	120				
1257	Met	Asp	Thr	Val	Cys	Glv	Cvs	Lvs	Lvs		Gln	Phe	Gln	Ara					
1258					125	1	- 1 -	-1-	-1-	130				5	135				
1259	Leu	Ser	Glu	Thr	His	Phe	Gln	Cys	Val	Asp	Cys	Ser	Pro	Cys	Phe				
1260		_		_	140	_				145		_			150				
1261	Asn	Gly	Thr	Val	Thr	Ile	Pro	Cys	Lys		Lys	Gln	Asn	Thr					
1262 1263	Cuc	N c n	Cuc	uic	155 Ala	a1 11	Dho	Dho	LOU	160	G1 w	Nan	Gl.	Cue	165				
1264	cys	ASII	Cys	1112	170	GLY	rne	rne	пеа	175	GLY	ASII	GIU	Cys	180				
1265	Pro	Cys	Ser	His	Cys	Lys	Lys	Asn	Gln		Cys	Met	Lys	Leu					
1266		-			185		-			190	_		-		195				
1267	Leu	Pro	Pro	Val	Ala	Asn	Val	Thr	Asn		Gln	Asp	Ser	Gly					
1268		••• - •			200	•	••- •	-1-	<b>5</b> 1	205	a7	<b>.</b>	<b>a</b>	<b>-</b>	210				
1269 1270	ATA	vaı	Leu	Leu	Pro 215	Leu	vaı	тте	Pne	220	СТА	Leu	cys	Leu	225				
1270	Phe	Phe	Ile	Cvs	Ile	Ser	Leu	Leu	Cvs		Tvr	Pro	Gln	Trp					
1272				- 4 -	230					235		-		-	240				
1273	Pro	Arg	Val	Tyr	Ser	Ile	Ile	Cys	Arg	Asp	Ser	Ala	Pro	Val	Lys				
1274					245			<b>-</b>		250	_	_		_	255				
1275	Glu	Val	Glu	Gly	Glu	Gly	Ile	Val	Thr	Lys 265	Pro	Leu	Thr	Pro	A1a 270				
1276 1277	Sar	Tle	Pro	Δla	260 Phe	Ser	Pro	Asn	Pro		Phe	Δsn	Pro	Thr					
1278	561	110	110	ALU	275	501	110	<i></i>	110	280			110		285				
1279	Gly	Phe	Ser	Thr	Thr	Pro	Arg	Phe	Ser	His	Pro	Val	Ser	Ser	Thr				
1280	_				290					295					300				
1281	Pro	Ile	Ser	Pro	Val	Phe	Gly	Pro	Ser		Trp	His	Asn	Phe					
1282 1283	Dro	Dro	1707	A ra	305 Glu	Val.	บาา	Dro	mb r	310	c1.,	A 7 a	Acn	Dro	315				
1284	PIU	PIO	val	Arg	320	vai	Val	PIO	1111	325	СТУ	мта	мар	PIO	330				
1285	Leu	Tyr	Gly	Ser	Leu	Asn	Pro	Val	Pro		Pro	Ala	Pro	Val					
1286		-	_		335					340					345				
1287	Lys	Trp	Glu	Asp	Val	Val	Ala	Ala	Gln	_	Gln	Arg	Leu	Asp					
1288	.1.	•	<b>5</b>		350	<b>.</b>	m		7	355	•	a1	•••	D	360				
1289 1290	Ата	Asp	Pro	ата	Met 365	Leu	Tyr	АТА	vaı	370	ASP	сту	vaı	Pro	375				
1291	Thr	Ara	Trp	Lvs	Glu	Phe	Met	Ara	Leu		Glv	Leu	Ser	Glu					
1292		3		_,_	380			3		385	1	<b>-</b>			390				
1293	Glu	Ile	Glu	Arc	Leu	Glu	Leu	Gln	Asn	Gly	Arg	Cys	Leu	Arg	Glu				
1294			_		395	_			_	400	_	_	_,	_	405				
1295	Ala	His	Tyr	Ser	Met	Leu	GLu	Ala	Trp	_	Arg	Arg	Thr	Pro	_				
1296 1297	Hic	Glu	Δla	Thr	410 Leu	Δsn	Val	Val	Glv	415 Arg	Val	Leu	Cve	Asn	420 Met				
1297	птэ	GIU	мта	1111	425	ASP	4 Q T	va_	GIY	420	¥ a ⊥	nea	Cys	vab	425				

430

445

1298

1300

1302

1303

425

440 1301 Pro Ala His Ser Ser Thr Thr His Leu Pro Arg

455

1299 Asn Leu Arg Gly Cys Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999 TIME: 13:47:05

	1413															
	1414	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 340 amino acids														
>	1415	(A)	LEN	GTH : 3	340 8	amino	ac	ids								•
>	1416	(B) TYPE:polypeptide														
	1417															
>	1418	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:														
	1419															
	1420	Met	Gly	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu
	1421					5					10					15
	1422	Leu	Glu	Leu	Leu	Val	Gly	Ile	Tyr	Pro	Ser	Gly	Val	Ile	Gly	Leu
	1423					20					25			•		30
	1424	Val	Pro	His	Leu	Gly	Asp	Arg	Glu	Lys	Arg	Asp	Ser	Val	Cys	Pro
	1425					35					40					45
	1426															
	1427	Gln	Gly	Lys	Tyr		His	Pro	Gln	Asn		Ser	Ile	Cys	Cys	
	1428	_	_		_	50	_,	_	_	_	55	_	_	_		_60
	1429	Lys	Cys	His	Lys	_	Thr	Tyr	Leu	Tyr		Asp	Cys	Pro	GTÀ	
	1430	<b>a</b> 1	a1	•	m\	65	a	•	a1	<b>a</b>	70	<b>~</b>	<b>a</b> 1	<b>a</b>	Dl	75
	1431	GTÄ	GIN	Asp	Thr		Cys	Arg	GIU	Cys		ser	GTÄ	ser	Pne	
	1432 1433	210	C	<b>a</b> 1	N a m	80	Leu	λ <del>-</del> ~	uia	a	85	C0.	G.,,	C0.	T	90
	1433	Ата	Ser	GIU	ASII	95	ьеп	Arg	птэ	cys	100	Ser	Cys	Ser	цуъ	105
	1434	λra	Lve	Glu	Mat		Gln	Vaİ	Glu.	Tla		Sor	Cve	Ψhr	Val	
	1436	Arg	цуз	GIU	Mec	110	GIII	Val	GIU	116	115	Ser	Cys	1111	Val	120
	1437	Ara	Asp	Thr	Val		Gly	Cvs	Ara	ī.vs		Gln	Tur	Ara	His	
	1438	3				125	,	0,0	9	-,-	130	·	- 1 -	5		135
	1439	Trp	Ser	Glu	Asn	Leu	Phe	Gln	Cvs	Phe		Cvs	Ser	Leu	Cvs	
	1440	•				140			-		145	4			-	150
	1441	Asn	Gly	Thr	Val	His	Leu	Ser	Cys	Gln	Glu	Lys	Gln	Asn	Thr	Val
	1442		_			155			-		160	_				165
	1443	Cys	Thr	Cys	His	Ala	Gly	Phe	Phe	Leu	Arg	Glu	Asn	Glu	Cys	Val
	1444					170					175					180
	1445	Ser	Cys	Ser	Asn	Cys	Lys	Lys	Ser	Leu	Glu	Cys	Thr	Lys	Leu	Cys
	1446			_		185					190					195
	1447	Leu	Pro	GIn	Ile		Asn	Val	Lys	GTA		Glu	Asp	Ser	GTA	
	1448	m1	7	•	<b>.</b>	200	•	•• - 7	-1-	<b>51.</b> .	205	~1	<b>-</b>	<b>~</b>	<b>-</b>	210
	1449	Thr	vaı	Leu	Leu		Leu	vaı	тте	Pne		GTA	Leu	cys	Leu	
	1450	Cor	T OIL	Γ 011	Dho	215	Gly	T 011	Wa+	m	220	m	a1 n	λ ~~	mrs.	225
	1451 1452	Ser	rea	Leu	Pne	230	СТУ	rea	мес	ıyı	235	ıyı	GIII	Arg	пр	240
	1453	Ser	T. 175	T.e.11	Туг		Ile	Val	Cvs	G] v		Ser	Thr	Pro	Glu	
	1454	Der	пуз	Deu	TYL	245		Val	Cys	-	250		1111	FLO	GLU	255
	1455	Glu	Glv	Glu	Leu		Gly	Thr	Thr				Leu	Ala	Pro	
	1456		1			260	,				265					270
	1457	Pro	Ser	Phe	Ser	Pro	Thr	Pro	Gly	Phe	Thr	Pro	Thr	Leu	Gly	
	1458					275			-		280				•	285
	1459	Ser	Pro	Val	Pro	Ser	Ser	Thr	Phe	Thr	Ser	Ser	Ser	Thr	Tyr	Thr
	1460					290					295				_	300
	1461	Pro	Gly	Asp	Cys	Pro	Asn	Phe	Ala	Ala	Pro	Arg	Arg	Glu	Val	Ala
	1462					305					310					315
	1463	Pro	Pro	Tyr	Gln	_	Ala	Asp	Pro	Ile		Ala	Thr	Ala	Leu	
	1464				_	320				_	325					330
	1465	Ser	Asp	Pro	Ile	Pro	Asn	Pro	Leu	Gln	Lys					

PA	GE:	19

1487

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/484,312

DATE: 03/22/1999

TIME: 13:47:05

		INPUT SET: S31121.raw
335	340	

1466 1467 1468	335	340	in or sair sair and
1469 1470 1471	(2) INFORMATION FOR SEQ ID NO:72 (i) SEQUENCE CHARACTERISTICS:	:	
1472 1473 1474 1475	<ul><li>(A) LENGTH:19 bases</li><li>(B) TYPE:nucleic acid</li><li>(C) STRANDEDNESS:single</li><li>(D) TOPOLOGY:linear</li></ul>	ļ	ast seguere en file
1476 1477 1478 1479	(xi) SEQUENCE DESCRIPTION: SEQ I	D NO:72:	19
1480 1481 1482	· .		
1483 1484 1485 1486			·





# SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/484,312

INPUT SET: S31121.raw

DATE: 03/22/1999 TIME: 13:47:05

Line	Error	Original Text
9	Number of Sequences (64) Doesn't Equal Actual Count (71)	(iii) NUMBER OF SEQUENCES:64
42	Entered (1365) and Calc. Seq. Length (0) differ	(A) LENGTH:1365 bases
54	Entered (483) and Calc. Seq. Length (0) differ	(A) LENGTH:483 bases
66	Entered (455) and Calc. Seq. Length (0) differ	(A) LENGTH:455 amino acids
67	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
69	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
69	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
137	Entered (161) and Calc. Seq. Length (0) differ	(A) LENGTH:161 amino acids
138	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
140	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
140	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
168	Entered (157) and Calc. Seq. Length (0) differ	(A) LENGTH:157 bases
180	Entered (13) and Calc. Seq. Length (0) differ	(A) LENGTH: 13 / bases  (A) LENGTH: 13 amino acids
181	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
183	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
183	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
191	Entered (11) and Calc. Seq. Length (0) differ	(A) LENGTH: 11 amino acids
192	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
194	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
194	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
202	Entered (12) and Calc. Seq. Length (0) differ	(A) LENGTH:12 amino acids
203	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
205	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
205	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
213	Entered (13) and Calc. Seq. Length (0) differ	(A) LENGTH:13 amino acids
214	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
216	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
216	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
224	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH:14 amino acids
225	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
227	Wrong Sequence Number	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
227	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
227	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
232	Sequence * missing	(12) INFORMATION FOR SEQ ID NO:11:
235	Entered (15) and Calc. Seq. Length (0) differ	(A) LENGTH:15 amino acids
236	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
238	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
238	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
246	Entered (13) and Calc. Seq. Length (0) differ	(A) LENGTH:13 amino acids
247	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
249	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
249	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
257	Entered (13) and Calc. Seq. Length (0) differ	(A) LENGTH:13 amino acids
258	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
260	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
260	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
268	Entered (20) and Calc. Seq. Length (0) differ	(A) LENGTH:20 amino acids
269	Wrong or Missing Sequence Type	(B) TYPE:polypeptide





# SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/08/484,312

INPUT SET: S31121.raw

DATE: 03/22/1999 TIME: 13:47:06

Line	Error	Original Text
271	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
271	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
281	Entered (19) and Calc. Seq. Length (0) differ	(A) LENGTH:19 amino acids
282	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
284	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
284	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:15:
294	Entered (18) and Calc. Seq. Length (0) differ	(A) LENGTH:18 amino acids
295	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
297	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
297	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:16:
307	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH: 14 amino acids
308	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
310	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
310	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:17:
318	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH:14 amino acids
319	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
321	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
321	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:18:
329	Entered (13) and Calc. Seq. Length (0) differ	(A) LENGTH:13 amino acids
330	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
332	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
332	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:
484	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH:14 amino acids
485	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
487	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:
487	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:32:
495	Entered (14) and Calc. Seq. Length (0) differ	(A) LENGTH:14 amino acids
496	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
498	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:
498	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:
650	Entered (51) and Calc. Seq. Length (0) differ	(A) LENGTH:51 amino acids
651	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
653	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:
653	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:46:
667	Entered (158) and Calc. Seq. Length (0) differ	(A) LENGTH: 158 bases
765	Entered (63) and Calc. Seq. Length (0) differ	(A) LENGTH:63 bases
777	Entered (64) and Calc. Seq. Length (0) differ	(A) LENGTH:64 bases
813	Entered (81) and Calc. Seq. Length (0) differ	(A) LENGTH:81 bases
873	Entered (30) and Calc. Seq. Length (18) differ	(A) LENGTH:30 bases
885	Entered (1334) and Calc. Seq. Length (1134) differ	(A) LENGTH:1334 bases
894	# of Sequences for line conflicts w/ running total	TÁGCTGTCTG GC
1000	Entered (371) and Calc. Seq. Length (0) differ	(A) LENGTH:371 amino acids
1001	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
1003	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:
1003	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:66:
1059	Entered (6464) and Calc. Seq. Length (50) differ	(A) LENGTH:6464 bases
1090	Entered (2173) and Calc. Seq. Length (1727) differ	(A) LENGTH:2173 bases
1099	# of Sequences for line conflicts w/ running total	ATG GGT CTC CCC ATC GTG CCT GGC CTG CT

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# **SEQUENCE VERIFICATION REPORT** PATENT APPLICATION *US/08/484,312*

DATE: 03/22/1999 TIME: 13:47:06

Line	Error	Original Text
1131	Wrong Nucleic Acid Designator	ATG GAC ACC GTG TGT GGC TGC AAG PAG AkC CA
1131	# of Sequences for line conflicts w/ running total	ATG GAC ACC GTG TGT GGC TGC AAG PAG AkC CA
1155	Wrong Nucleic Acid Designator	GCC GIC CTG TTG CCT CTG GTT ATC TTC CTA GGT
1155	# of Sequences for line conflicts w/ running total	GCC GIC CTG TTG CCT CTG GTT ATC TTC CTA GGT
1224	# of Sequences for line conflicts w/ running total	GGGAAGTGTG CCATCTGCTC CCAGACAGCT GAGGG
1235	Entered (461) and Calc. Seq. Length (0) differ	(A) LENGTH:461 amino acids
1236	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
1238	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:
1238	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:69:
1415	Entered (340) and Calc. Seq. Length (0) differ	(A) LENGTH:340 amino acids
1416	Wrong or Missing Sequence Type	(B) TYPE:polypeptide
1418	Wrong Or Missing Strandedness Value	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71:
1418	Wrong or Missing Sequence Topology	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:71: